APRIL/MAY 2025

FSCA55/FSCS55/CSCA55/CSCS55 — SOFTWARE ENGINEERING (SBS III)

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Software engineering.
2. Give a note on nature of software.
3. What are requirements engineering process?
4. Short note on data modelling.
5. What is Data design?
6. Write about architectural design.
7. What is meant by design process?
8. Define Black box testing.
9. What is software Project estimation?
10. Give a note on Project management.

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the Waterfall Model with neat diagram.

Or

(b) Write about the software myths.

12. (a) Describe the Eliciting requirements.

Or

(b) Discuss about the Elements of Requirements model

13. (a) Describe the Design process and Design quality.

Or

(b) Narrate the Design model in data engineering.

14. (a) Discuss about the White Box Testing in detail.

Or

(b) Briefly explain the System testing.

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15. (a) Explain the Project Management

Or

(b) What is Project Scheduling? Explain in detail.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the Process Assessment and Improvement.

17. Write about the quality Function Deployment.

18. Describe the Software Architecture.

19. Discuss about the Validation techniques.

20. State the elements of Software Quality Assurance.

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